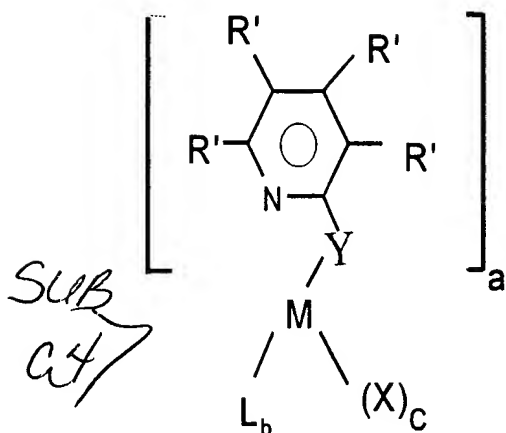
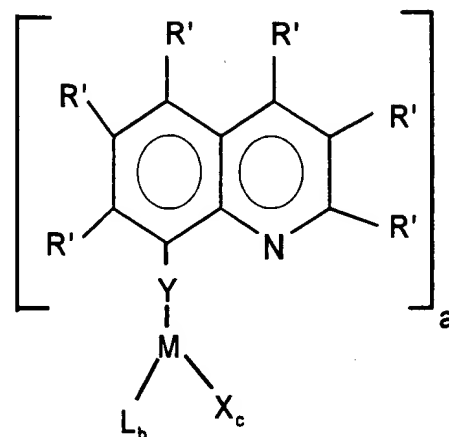


Abstract of the Disclosure

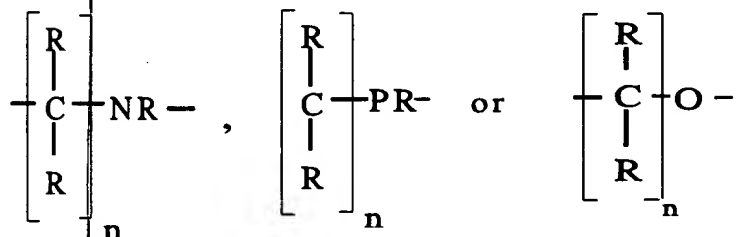
Disclosed is a novel bidentate pyridine transition metal catalyst having the general formula



or

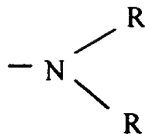


where Y is O, S, NR,



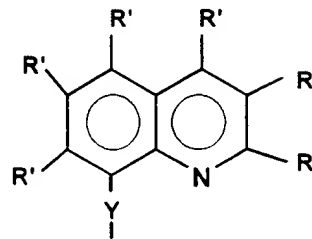
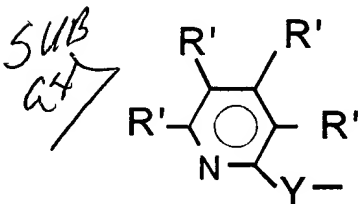
- 5 each R is independently selected from hydrogen or C₁ to C₆ alkyl, or C₆ to C₁₄ aryl, each R' is independently selected from R, C₁ to C₆ alkoxy, C₆ to C₁₄ aryl, C₇ to C₂₀ alkaryl, C₇ to C₂₀ aralkyl, halogen, or CF₃, M is a Group 3 to 10 metal, each X is independently selected from halogen, C₁ to C₆ alkyl, C₆ to C₁₄ aryl, C₇ to C₂₀ alkaryl,

C₇ to C₂₀ aralkyl, C₁ to C₆ alkoxy, or



10

L is X, cyclopentadienyl, C₁ to C₆ alkyl substituted cyclopentadienyl, indenyl, fluorenyl, or



"n" is 1 to 4;

"a" is 1 to 3;

"b" is 0 to 2;

$a + b \leq 3$;

"c" is 1 to 6; and

$a + b + c$ equals the oxidation state of M.

add 27